

**WE CLAIM**

1. A method for attaching a ligand to a solid phase comprising:
  - (i) contacting an amine group on the surface of said solid phase with a molecule which reacts with said amine group, said molecule containing a protected or unprotected sulfhydryl group, and
  - (ii) reacting a conjugate of said ligand and a linker, wherein said linker comprises a maleimide or sulfhydryl group or group with said molecule, to attach said ligand to said solid phase.
2. The method of claim 1, wherein said solid phase is a magnetic bead.
3. The method of claim 1, wherein said ligand is an antibiotic.
4. The method of claim 3, wherein said antibiotic is Rapamycin or Tacrolimus (FK-506).
5. The method of claim 1, wherein said molecule is N-succinimidyl-S-acetyl thioacetate.
6. The method of claim 1, wherein said linker is p-maleimidophenyl isocyanate.
7. The method of claim 1, wherein said molecule is 2-iminothiolane·HCl.
8. The method of claim 1, wherein said molecule reacts with said amine group in an acylation reaction.
9. A solid phase with a ligand attached thereto, prepared in accordance with the method of claim 1.